

# Lower Colorado River Multi-Species Conservation Program

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*Balancing Resource Use and Conservation*

## Monitoring and Research for Terrestrial, Riparian, and Marsh Habitats and Associated Covered Species



# SPECIES RESEARCH

- PURPOSE:

Provide necessary information required to create and manage covered species habitats and populations.

# FY07 ACCOMPLISHMENTS

- RLFR, STBU, THMI (C2/C4)
  - Agreement with NPS
- Species Accounts (C3)
  - 2008 version will be posted in Spring

# FY07 ACCOMPLISHMENTS (cont.)

- Insects (C5, C6, C7)
  - Wiesenborn, W.D. and S. L. Heydon. 2007. Diets of breeding Southwestern Willow Flycatchers in different habitats. Wilson Journal of Ornithology.
  - Study on plant water & nitrogen effects on arthropod populations conducted
  - MNSW surveys conducted over 1/3 of LCR; host plant selection study completed.

# SYSTEM MONITORING

- PURPOSE:

Determine status of covered species and their habitats throughout the LCR planning area.

# FY07 ACCOMPLISHMENTS

- SWFL Surveys and Studies (D2, D3, D4)
  - SWFL detected at 73 sites
  - 77 SWFL territories recorded at 4 LHS, Muddy River, Grand Canyon, and Bill Williams River
  - 60 nests monitored at above sites (45% successful)
  - 372 acres of SWFL habitat monitored for SIA
- YBCU Surveys & Studies (D7)
  - 163 YBCU detections (139 @ BWRNWR)

# FY07 ACCOMPLISHMENTS (cont.)

- Multi-Species Avian Monitoring
  - MAPS (D5): 2 MAPS stations monitored
  - Riparian Obligate Avian Monitoring (D6):
    - Monitoring plan completed
    - 88 rapid area search surveys completed
    - 15 intensive surveys completed
- Bats (D9): Protocol and monitoring plan developed, surveys conducted
- Small Mammals (D10): Study design for genetic differentiation completed; surveys conducted

# POST-DEVELOPMENT MONITORING

- PURPOSE:

Evaluate implementation of and response to habitat creation projects.

# FY07 ACCOMPLISHMENTS

- Monitoring Plans were completed for habitat creation projects listed in Section E
- Pre- and Post-Development surveys were conducted for covered species and vegetation at Beal (E1), Ahakav (E3), PVER (E4), CVCA (E5), Hart Mine Marsh (E9), Imperial Ponds (E14), and Cibola NWR Farm Unit #1 (E24)

# ADAPTIVE MANAGEMENT PROGRAM

- PURPOSE:

Address uncertainties, propose new or modified conservation measures, or address changed or unforeseen circumstances.

# FY07 ACCOMPLISHMENTS

- Database Management (G1)
  - Decision made to proceed with modular database system; however FY07 monies spent were less than anticipated
- Science Strategy (G4)
  - Final Science Strategy completed
  - Draft Five Year Research and Monitoring Priorities Plan completed